

In the Claims:

Please amend the claims as indicated.

1. (Currently amended) A method for establishing a network connection between a client system and a network comprising:

(a) collecting real time connectivity information by the client system, wherein
collecting real time connectivity information includes~~and~~

(a1) monitoring and collecting network traffic in real time through an
adapter not yet enabled to communicate with the network wherein the network traffic comprises
addresses recently assigned by a DHCP server and addresses and names of SOCKS servers;

(a2) assigning a weight to the real time network traffic based on
utilization;

(a3) creating a weighted list from the weighted real time network traffic;

(b) utilizing the real time connectivity information collected by the client system
and data from a local persistent knowledgebase to establish a connection with the network[.]] by

(b1) detecting a failed connection;

(b2) determining a cause of the failed connection by the client system by
analyzing at least one error message associated with the failed connection and auditing a
plurality of communication devices in the client to determine which of the plurality of
communication devices is a potential candidate for connectivity;

(b3) generating a solution based on the cause and the real time
connectivity information; and

 (b4) implementing the solution.

2. (Canceled)

3. (Original) The method of claim 1 further comprising:

(c) utilizing data from a server based database to establish a connection to the
network.

4. (Canceled)

5. (Currently amended) The method of claim [[4]]1 further comprising:

(c) storing the weighted list in the client system.

6. (Original) The method of claim 5, wherein the local persistent
knowledgebase is stored in the client system.

7. (Original) The method of claim 1 further comprising:

(c) utilizing a set of local rules to establish a connection to the network.

8. (Canceled)

9. (Canceled)

10. (Currently amended) The method of claim [[8]]1, wherein the generating step (b3) includes:

(b3i) analyzing the real time connectivity information to determine a range of IP addresses assigned by a DHCP server;

(b3ii) generating a plurality of IP addresses within the range;

(b3iii) selecting one of the plurality of IP addresses and determining whether it is in use; and

(b3iv) assigning the one IP address to the client system if the one IP address is not in use.

11. (Currently amended) The method of claim [[8]]1 wherein the utilizing step (b) includes:

(b5) repeating step (b3) for a next solution if the implementation of a previous solution is unsuccessful.